



21. Check the float level as described in this chapter.

22. Install the carburetor heater (A, **Figure 41**) and collar (B). The stepped end of the collar must be toward the carburetor.

23. Install the carburetor as described in this chapter.

24. Adjust the pilot screw as described under *Carburetor Adjustments* in this chapter.

### CARBURETOR FLOAT LEVEL INSPECTION

The fuel valve and float maintain a constant fuel level in the carburetor float bowl. Because the float level affects the fuel mixture throughout the engine's operating range, the level must be within specification.

The carburetor must be removed and partially disassembled for this inspection.

1. Remove the carburetor as described in this chapter.
2. Remove the float bowl mounting screws (A, **Figure 42**) and float bowl. Do not remove the O-ring from the float bowl groove.
3. Hold the carburetor so the fuel valve just touches the float arm without pushing it down. Measure the distance from the carburetor body gasket surface to the float (**Figure 43**) using a float level gauge, ruler or vernier caliper. Refer to **Table 1** for the float level specification.
4. The float is non-adjustable. If the float level is incorrect, check the float pin and fuel valve for damage. If these parts are in good condition, replace the float and remeasure the float level.
5. Install the float bowl, O-ring and its mounting screws (A, **Figure 42**). Tighten the mounting screws securely.
6. Install the carburetor as described in this chapter.

### CARBURETOR ADJUSTMENTS

#### Idle Speed Adjustment

Refer to Chapter Three.

#### Pilot Screw Adjustment

The pilot screw (A, **Figure 44**) is preset by the manufacturer. Routine adjustment is not necessary

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